

CATALOGUE OF RECORDS, LOCALITIES AND BIOTOPES FROM RESEARCH WORK ON SMALL MAMMALS IN CHILE AND ARGENTINA

CATALOGO DE REGISTROS, LOCALIDADES Y BIOTOPOS DEL TRABAJO DE INVESTIGACION ACERCA DE LOS PEQUEÑOS MAMIFEROS DE CHILE Y ARGENTINA

Detlef Reise* and Waldo Venegas S.**

ABSTRACT

Capture data of nearly 1700 small mammals, mainly rodents from 63 localities along continental Chile and borderline with Argentina are presented here. Rodents include three subspecies of *Oryzomys*, fifteen of *Akodon*, three of *Chelemys* and two of *Geoxus*; one species of *Eligmodontia*; six subspecies of *Phyllotis*; two species of *Auliscomys*; two subspecies of *Irenomys*; two species of *Euneomys*; two subspecies of *Reithrodon*; three species of *Octodon*, one of *Spalacopus* and one of *Aconaemys*; four subspecies of *Ctenomys*; two species of *Abrocoma*, one of *Microcavia*, one of *Mus* and two of *Rattus*. Marsupials trapped include two subspecies of *Marmosa* and one of *Dromiciops australis*.

Capture localities are displayed in eight maps. Photographs of four Octodontids are also shown. Repositories belong to the private collection of the first author and to the Museum of the Department of Zoology, University of Concepcion, Chile.

KEYWORDS: Small mammals, trapping records, localities, biotopes, climatic conditions, types of traps, collections, Chile, Argentina.

PREFACE

Although the interest in taxonomic investigation has increased considerably during the last fifteen years, basic information about distribution and ecology of small mammals is still

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RESUMEN

Se presentan datos de captura de aproximadamente 1700 micromamíferos principalmente roedores, provenientes de 63 localidades a lo largo de Chile continental y localidades argentinas limítrofes. Entre los roedores se capturaron tres subspecies de *Oryzomys*, quince de *Akodon*, tres de *Chelemys* y dos de *Geoxus*; una especie de *Eligmodontia*; seis subspecies de *Phyllotis*; dos especies de *Auliscomys*; dos subspecies de *Irenomys*; dos especies de *Euneomys*; dos subspecies de *Reithrodon*; tres especies de *Octodon*, una de *Spalacopus* y una de *Aconaemys*; cuatro subspecies de *Ctenomys*; dos especies de *Abrocoma*, una de *Microcavia*, una de *Mus* y dos de *Rattus*. También se capturaron dos especies de marsupiales, dos subspecies de *Marmosa* y *Dromiciops australis*.

Se ilustran las localidades de captura por regiones en un total de ocho mapas, y se presentan las fotografías de cuatro especies de Octodontidos. Los especímenes están depositados en la colección privada del primer autor y en el Museo de Zoología de la Universidad de Concepción, Chile.

Palabras claves: Pequeños mamíferos, Registro de recolección, Localidades, Biotopos, Condiciones climáticas, Tipos de trampas, Colecciones, Chile, Argentina.

scarce in Chile. We hope that our records with brief description of locality, biotope and trapping conditions will reinforce this increasing interest. Knowledge of some species as *Dromiciops australis*, *Auliscomys sublimis* and *Auliscomys micropus*, *Euneomys mordax*, *Aconaemys fuscus*, *Abrocoma cinerea* and *Microcavia australis* is improved remarkably, while in the others the description has been enlarged. Nomenclature in general follows Tamayo and Frassinetti (1980) except for the genera *Marmosa*, *Akodon* and *Octodon* which is based in Osgood (1943) while for *Chelemys* and *Geoxus* was taken from

Pearson (1984). The taxonomy of the genus *Euneomys* is confused therefore, based on an analysis of our material, we decided to assign our specimens to *Euneomys mordax*. A specific publication is in preparation on this subject. Part of the material was studied by Montoya and Venegas (1977), Reise and Venegas (1974), Reise (1977), Venegas (1973, 1974, 1975), Venegas and Smith (1974).

PREFACIO

La información básica sobre la distribución y ecología de los micromamíferos es todavía deficiente en Chile; sin embargo el interés en estudios taxonómicos ha crecido considerablemente en los últimos quince años. Esperamos que nuestros datos de captura presentados con una breve descripción de localidades, biotopos y condiciones de captura estimulen aún más este interés. Especialmente relevante es el aporte al conocimiento de algunas especies como *Dromiciops australis*, *Auliscomys sublimis* y *Auliscomys micropus*, *Euneomys mordax*, *Aconaeomys fuscus*, *Abrocomacinerea* y *Microcavia australis*, mientras en las restantes se ha completado la visión existente. En la nomenclatura se si-

guió en general a Tamayo y Frassinetti (1980), excepto en *Marmosa*, *Akodon* y *Octodon* que se basó en Osgood (1943) mientras que para *Chelomys* y *Geoxus* se siguió a Pearson (1984). La taxonomía del género *Euneomys* es todavía muy confusa por lo que decidimos en base a un análisis de nuestro material, asignar nuestros especímenes a *Euneomys mordax*. Parte del material de este trabajo ha sido estudiado por Montoya y Venegas (1977), Reise y Venegas (1974), Reise (1977), Venegas (1973, 1974, 1975), Venegas y Smith (1974).

LIST OF COLLECTIONS

- MZUCC Museo Zoológico Universidad de Concepción de Chile.
- DR D. Reise, private collection.

ABBREVIATIONS

- LT Sherman live traps
- LRT Lux rat steel traps
- VO Victor O'Neida steel traps # 0
- ad. adults
- j. juvenils
- Date: day-month-year

INDEX OF ESPECIES:

- Dromiciops australis australis* (Philippi)
- Marmosa elegans elegans* (Waterhouse)
- Marmosa elegans soricina* (Philippi)
- Oryzomys longicaudatus longicaudatus* (Bennett)
- Orizomys longicaudatus magellanicus* (Bennett)
- Orizomys longicaudatus philippii* (Landbeck)
- Akodon lanosus* (Thomas)
- Akodon longipilis aptus* Osgood
- Akodon longipilis francei* Thomas
- Akodon longipilis hirtus* Thomas
- Akodon longipilis moerens* Thomas
- Akodon longipilis nubilus* (Thomas)
- Akodon longipilis suffusus* Thomas
- Akodon olivaceus beatus* Thomas
- Akodon olivaceus brachiotis* (Waterhouse)
- Akodon olivaceus olivaceus* (Waterhouse)
- Akodon olivaceus pencanus* (Philippi)
- Akodon xanthorhinus canescens* (Waterhouse)
- Akodon xanthorhinus xanthorhinus* (Waterhouse)

LOCALITIES:

- 11; 14; 27; 44
- 8
- 15
- 8
- 50; 51; 52; 54; 55; 59; 61; 62
- 11; 12; 15; 17; 18; 19; 20; 22; 24; 26; 27; 28; 38; 39; 40; 48
- 61; 62
- 20; 25; 26; 27; 32; 42
- 58
- 9; 11; 22; 23; 24; 31; 34; 35; 36; 37; 38; 40; 43
- 46; 47
- 54; 55; 56
- 48; 50; 51; 52; 53
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- 12; 15; 17; 18; 19; 21; 23; 24; 27; 29; 30; 32; 34
- 50; 51; 52; 53; 54; 56
- 57; 58; 59; 60; 61; 62; 63

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<i>Akodon sp.</i>	1
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<i>Chelemys macronyx vestitus</i> (Thomas)	36; 38; 43; 50
<i>Chelemys macronyx alleni</i> Osgood	52
<i>Geoxus valdivianus bicolor</i> Osgood	50
<i>Geoxus valdivianus valdivianus</i> (Philippi)	23; 24; 31; 32; 35; 36; 38; 44
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<i>Phyllotis darwini boedeckeri</i> (Philippi)	12; 16; 18
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<i>Phyllotis darwini xanthopygus</i> (Waterhouse)	51; 52; 53
<i>Auliscomys sublimis leucurus</i> (Thomas)	1
<i>Auliscomys micropus micropus</i> (Waterhouse)	11; 12; 13; 14; 31; 32; 34; 38; 40; 43; 46; 47; 50; 51; 52; 54; 55
<i>Irenomys tarsalis longicaudatus</i> (Philippi)	50
<i>Irenomys tarsalis tarsalis</i> (Philippi)	24
<i>Euneomys chinchilloides chinchilloides</i> (Waterhouse)	63
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<i>Reithrodon physodes pachycephalus</i> (Philippi)	54
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<i>Octodon lunatus</i> Osgood	8
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<i>Ctenomys fulvus fulvus</i> Philippi	5
<i>Ctenomys maulinus brunneus</i> Osgood	36
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<i>Ctenomys sp.</i>	38; 40
<i>Abrocoma bennetti bennetti</i> Waterhouse	8; 9
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<i>Microcavia australis australis</i> (L. Geoffroy Saint-Hilaire & D'Orbigny)	52; 53
<i>Mus musculus</i> Linné	51
<i>Rattus norvegicus</i> (Berkenhout)	15; 24; 25; 33; 34; 49
<i>Rattus rattus</i> (Linné)	8; 12; 13; 17; 18; 20; 26; 27; 30; 42

RECORDS

1. El Tatio: Slope just N of the geysers, El Loa, 68°00'S - 22°30'W, 4000 m.
Biotope: High andean dwarf shrubs with *Festuca* grasslands.
Date: I. 17. - 18.06.72; II. 25. - 27.06.73
Climatic cond.: Days warm, clear; nights minus 23°C.
Method: 56 LRT; 40 LT Bait: Rolled oats
Collector: Reise

Results:

Akodon sp. 5/6 ♂ ad. (DR 1683, 1686, 1687, 1696, 1697) ♀ ad. (DR 1682, 1684, 1688, 1690, 1694, 1695).
Phyllotis darwini rupestris 14/18 ♂ ad. (DR 1162, 1165, 1174, 1179, 1181, 1183, 1184, 1187, 1680, 1685, 1689, 1692) ♀ ad. (DR 1166 - 1172, 1175 - 1178, 1180, 1182, 1185, 1186, 1691, 1693).
Auliscomys sublimis leucurus 2 ♂ ad. (DR 1161) j. (DR 1173).

2. Rio Grande: 85 km E on the road Calama - Rio Grande, N of San Pedro de Atacama, El Loa, 68°15'S - 22°40'W, 3300 m.
Biotope: Big dense stocks of *Cortaderia atacamensis* on a slope with a spring.
Date: 02. - 03.02.70
Climatic cond.: Clear, hot; night cold.
Method: 60 LRT Bait: Rolled oats
Collector: Reise
Results:
Phyllotis darwini rupestris 2/2 ♂ ad. (DR 115, 116) ♀ ad. (DR 113, 114).
3. Puritama: 25 km N of San Pedro de Atacama, river valley W of the road to Tatio, El Loa, 68°06'S - 22°46'W, 3300 m.
Biotope: River bank with short grassland, thickets of *Cortaderia atacamensis*, followed by an association of *Baccharis - Tessaria absinthoides* (Pisano 1956).
Date: I. 16. - 17.06.1972; II. 19. - 21.06.1973 Climatic cond.: Days hot, dry; nights with frost. Method: 50 LRT; 40 LT Bait: Rolled oats Collector: Reise
Results:
Phyllotis darwini rupestris 4/3 ♂ ad. (DR 1157, 1188, 1189, MZUCC 5197) ♀ ad. (DR 1156, 1158, 1190).
4. San Pedro de Atacama: 3 km E of the oasis, Pozo N° 3, El Loa, 68°10'S - 22°55'W, 2800 m.
Biotope: Association of *Atriplexetum atacamensis* (Pisano 1956) outside of the watered area, fences made of branches.
Date: I. 29. - 31.01.1969; II. 14 - 15.06.1972
Climatic cond.: I. Days hot; nights warm. II. Days hot; nights below freezing point.
Method: I. 72 LRT Bait: Rolled oats. II. 50 LRT; 40 LT Bait: Mixture of rolled oats, grease, peanuts, cheese.
Collector: Reise
Results:
Eligmodontia typus perulus 6/4 ♂ ad. (DR 1146 - 1148, 1150, 1151, 1153) ♀ ad. (DR 109, 1149, 1152, 1154).
Phyllotis darwini rupestris 2/2 ♂ ad. (DR 106, 110) ♀ ad. (DR 107, 108).
5. Salar San Pedro de Atacama: 4 km SE of San Pedro de Atacama near the road to Toconao, El Loa, 68°12'S - 22°58'W, 2800 m.
Biotope: At the border of the oasis in an association of *Atriplexetum atacamensis* (Pisano 1956).
Date: I. 19. - 20.06.1972; II. 28. - 29.06.1973
Climatic cond.: Dry and warm.
Method: I. 6 VO II. 20 VO
Collector: Reise
Results:
Ctenomys fulvus fulvus 7 ♂ ad. (DR 1701) ♀ ad. (DR 1698 - 1700) ad. (DR 1191 - 1193).
6. Lincancabur: Pass S of the Lincancabur volcano, 20 km E of San Pedro de Atacama, El Loa, 67°48'S - 22°24'W, 4500 m.
Biotope: Andean dwarf shrubsteppe (Pisano 1956) with systems of cracks.
Date: 31.01 - 01.01.1970
Climatic cond.: Days hot; nights warm.
Method: 50 LRT Bait: Rolled oats
Collector: Reise
Results:
Phyllotis darwini rupestris 0/1 ♀ j. (DR 111).
Abrocoma cinerea cinerea 1/0 ♂ (DR 112).
7. Taltal: 30 km N of Taltal, near coast road, Antofagasta, 70°29'S - 25°17'W, 50 m.
Biotope: Association of *Trichoceretum deserticola* (Pisano 1956).
Date: 25. - 27.01.1969
Climatic cond.: Dry, hot.
Method: 72 LRT Bait: Rolled oats
Collector: Reise
Results:
Akodon olivaceus olivaceus 1 (DR 105)
Phyllotis darwini rupestris 2/2 ♂ ad. (DR 101, 102) ♀ (DR 103, 104).
8. Peralillo: Fundo at Rio Choapa between Illapel and Salamanca, Choapa, 71°06'S - 31°45'W, 300 m.
Biotope: Plantation of Paltas (*Persea americana*), shrubs near the riverside, fences out of stones around grassland with *Acacia caven*. On the slopes outside of the cultivated area associations of bushes and dwarf shrubs rich of springhygrophytes (Schmithüsen 1956).
Date: 12. - 24.07.1969
Climatic cond.: Partial cloudy, dry, warm.
Method: 30 LRT; 5 LT Bait: Rolled oats
Collector: Reise

Results:

Marmosa elegans elegans 2/0 ♂ ad. (DR 45, 46).

Oryzomys longicaudatus longicaudatus 9 ♂ ad. (DR 14, 21, 36) ♀ ad. (DR 16) (DR 13, 15, 17, 18, 20).

Akodon olivaceus olivaceus 3/5 ♂ ad. (DR 22, 23, 37) ♀ ad. (DR 27 - 31).

Phyllotis darwini darwini 5/4 ♂ ad. (DR 33, 40, 44, 48, 51) ♀ ad. (DR 39, 49, 50, 53).

Octodon degus 3/5 ♂ ad. (DR 12, 32, 47) ♀ ad. (DR 25, 26, 43, 52, 54).

Octodon lunatus 1/0 ♂ ad. (DR 34).

Abrocoma bennetti bennetti 4 ♂ ad. (DR 24, 36) ♀ ad. (DR 35) ad. (DR 15).

Rattus rattus 1/1 ♂ ad. (DR 42) ♀ ad. (DR 41).

9. Valle Teno: Near the branching off between the road to Lagunas de Teno and the international road Curico - Argentina, Curico, 70°30'S - 35°07'W, 1800 m.

Biotopes: Stony slopes with mauntain dwarf scrubs.

Date: 20. - 22.02.1972

Climatic cond.: Dry warm.

Method: 60 LRT; 24 LT Bait: Rolled oats

Collector: Reise

Results:

Akodon longipilis hirtus 8/3 ♂ ad. (DR 1022, 1038, 1040, 1057, 1058, 1061, 1135, 1139) ♀ ad. (DR 1039, 1041, 1062).

Phyllotis darwini vaccarum 29 ♂ ad. (DR. 1033, 1035, 1036, 1045, 1046, 1050, 1053, 1054, 1122 - 1124, 1138) ♀ ad. (DR 1021, 1023, 1034, 1037, 1042, 1044, 1051, 1052, 1131, 1132, 1136, 1137) (DR 1047, 1048, 1055, 1056).

Aconaemys fuscus fuscus 1/0 ♂ ad. (DR 1024).

Abrocoma bennetti bennetti 15/2 ♂ ad. (DR 1025 - 1032, 1059, 1060, 1063, 1118 - 1120, 1133) ♀ ad. (DR 1117, 1134).

10. Siete Tazas: 43 km E of Molina, plateau and slope above Siete Tazas falls of the Rio Claro, Curico, 71°00'S - 35°30'W, 1100 m.

Biotope: Clearingsborder in a *Nothofagus* deciduous forest with *Ribes sp.*, on the slope with components of valdivian rainforest (*Aristotelia chilensis* etc.).

Date: 12. - 13.07.1970

Climatic cond.: Cloudy, warm; in the morning storm and snowfall.

Method: 35 LRT Bait: Rolled oats

Collector: Reise

Results:

Marmosa elegans soricina 4/0 ♂ ad. (DR 293, 308 - 310).

Oryzomys longicaudatus philippii 4/2 ♂ ad. (DR 286, 287, 304, 307) ♀ ad. (DR 305, 306).

Akodon olivaceus pencanus 2/1 ♂ ad. (DR 285, 288) ♀ ad. (DR 284).

Akodon longipilis hirtus 3/0 ♂ ad. (DR 292, 301, 303).

Auliscomys micropus micropus 7/2 ♂ ad. (DR 290, 295 - 300) ♀ ad. (DR 291, 302).

Phyllotis darwini vaccarum 2/0 ♂ ad. (DR 289, 294).

11. Parque Ingles - Siete Tazas falls: 48 km E of Molina, end of the road at the shore of Rio Claro, Curico, 71°00'S - 35°30'W, 1200 m.

Biotope: Rests of a *Nothofagus* deciduous forest. Wide plains with dry grassland and plots of *Berberis* - *Ribes* shrubs. Slopes in the northern part with natural forest with components of the valdivian rainforest.

Date: 12. - 15.12.1973

Climatic cond.: Days hot, dry; nights with frost.

Method: 40 LRT; 60 LT; 50 VO

Bait: Rolled oats, carrots.

Collectors: Venegas & Reise

Results:

Dromiciops australis australis 1/0 ♂ ad. (DR 1830).

Oryzomys longicaudatus philippii 2/2 ♂ ad. (DR 1824, 1831) ♀ ad. (DR 1805, 1808).

Akodon olivaceus pencanus 5 ♂ ad. (DR 1823) ♀ ad. (DR 1803) (DR 1841 - 1843).

Akodon longipilis hirtus 6 ♂ ad. (DR 1807, 1811, 1815) ♀ ad. (DR 1812) ad. (DR 1828, 1829).

Auliscomys micropus 4 ♂ ad. (DR 1809, 1822) ♀ ad. (DR 1806) (DR 1810).

Octodon bridgesi 0/1 ♀ ad. (1820).

Aconaemys fuscus fuscus 20 ♂ ad. (DR 1804, 1818, 1821, 1825, 1827) ♀ ad. (DR 1813, 1814, 1816, 1817, 1819, 1826) (DR 1832 - 1840).

12. Penciahue: 20 km W of Talca, road to

- Curepto, valley and slopes N of the road, Talca, 71°50'S - 35°23'W, 400 m.
Biotope: Open deciduous forest with *Quillaja saponaria*, *Lomatia hirsuta*, *Peumus boldus*, *Acacia caven* and dry grassland.
Date: 10. - 11.07.1970
Climatic cond.: Sunny day; night with heavy frost.
Method: 50 LRT Bait: Rolled oats
Collector: Reise
Results:
Oryzomys longicaudatus philippu 2/2 ♂ ad. (DR 280, 281) ♀ ad. (DR 279, 282).
Akodon olivaceus pencaanus 1/0 ♂ ad. (DR 278).
Rattus rattus 1/0 ♂ ad. (DR 283).
13. Nirivilo: 40 km W of San Javier, road to Constitucion. Slope S of the road, Linares, 72°06'S - 35°33'W, 300 m.
Biotope: Slope with dry grassland and *Peumus boldus* and *Lomatia hirsuta* bushes, descending to a small river.
Date: 09. - 10.07.1970
Climatic cond.: Cloudy, cold.
Method: 30 LRT Bait: Rolled oats
Collector: Reise
Results:
Phyllotis darwini boedeckeri 1/0 ♂ ad. (DR 276).
Rattus rattus 1/0 ♂ ad. (DR 277).
14. Maitenes: 142 E of Talca in the road to Argentina, Talca, 70°40'S - 35°55'W, 1500 m.
Biotope: Mountain scrub - and dwarf-shrub associations (*Azaro* = *Escallonieta* and *Colletio* = *Fabianetum*, Oberdorfer 1960) at the bottom of the valley and at the slopes. Higher up *Festuca* grassland.
Date: 06. - 08.12.1972
Climatic cond.: Day dry, warm; nights frosty (-4°C).
Method: 60 LRT; 40 LT; 20 VO Bait: Rolled oats
Collector: Venegas & Reise
Results:
Akodon olivaceus pencaanus 0/3 ♀ ad. (DR 1246-1248).
Phyllotis darwini vaccarum 9 ♂ ad. (DR 1250, 1659, MZUCC 5198) ♀ ad. (DR 1249, 1251, 1253) (DR 1254, 1257, 1260).
- Ctenomys mauhinus mauhinus* 5 ♂ ad. (DR 1252, 1255, 1256) (DR 1258, 1259).
15. Longavi: Valley of Longavi, in direction to Termas Longavi, Cajon de Ibañez, 1 km N of the last bridge, Linares, 71°10'S - 36°23'W, 1000 m.
Biotope: Dry shrubs on the river terrace (*Acacia caven*, *Lomatia* sp., *Rhaphithamnus* sp., *Baccharis* sp.).
Date: 30.04 - 02.05.1970
Climatic cond.: Sunny day; nights cold.
Method: 50 LRT Bait: Rolled oats
Collector: Reise
Results:
Marmosa elegans soricina 1/0 ♂ ad. (DR 246).
Oryzomys longicaudatus philippii 3/2 ♂ ad. (DR 247, 248, 253) ♀ ad. (DR 250, 254).
Akodon olivaceus pencaanus 2/0 ♂ ad. (DR 249, 255).
Rattus norvegicus 1/3 ♂ ad. (DR 251, 252, 256) ♂ ad. (DR 257).
16. Quirihue: 10 km N of Quirihue, valley and slopes S of Rio San Juan, Ñuble, 72°32'S - 36°11'W, 250 m.
Biotope: Cultured land, grassland and fields.
Date: 1. 19. - 29.11.1972; 11. 18. - 20.11.1973
Climatic cond.: Dry, warm.
Method: 1. 60 LRT; 10 VO 11. 50 VO and Macabee traps Bait: Rolled oats, carrots.
Collectors: 1. Reise; 11. Fulk, Venegas, Reise
Results:
Phyllotis darwini boedeckeri 3/2 ♂ ad. (DR 1761, 1769, 1773) ♀ ad. (DR 1768, 1774).
Spalacopus cyanus mauhinus 4/6 ♂ (DR 1244, 1772, 1777, 1778) ♂ (DR 1243, 1766, 1770, 1771, 1775, 1776).
17. San Fabian de Alico: 15 km E of San Fabian de Alico, N of Rio Ñuble, near Estero Bullileo, Ñuble, 71°28'S - 36°36'W, 800 m.
Biotope: Dry river terrace with middle chilean dwarfshrubs (*Satureion gilliesii*, Oberdorfer 1960) with higher bushes of *Lomatia obliqua* and *Quillaja saponaria*.
Date: 29. - 30.10.1971
Climatic cond.: Dry, hot.

Method: 60 LRT Bait: Rolled oats

Collector: Reise

Results:

Oryzomys longicaudatus philippii 4/2 ♂ ad. (DR 906, 909, 914, 915) ♀ ad. (DR 910, 913).

Akodon olivaceus pencanus 3 ♂ ad. (DR 907) ♀ ad. (DR 908) (DR 911).

Phyllotis darwini vaccarum 1/0 ♂ ad. (DR 905)

Rattus rattus 1 ad. (DR 912).

18. Vegas Itata: 11 km S of Vegas Itata, Estero Puda, Ñuble, 72°54'S - 36°30'W, 10 m.

Biotope: Costal slope with an association of *Puya chilensis* and *Lithraea caustica*.

Date: 24. - 25.11.1973

Climatic cond.: Dry, warm.

Method: 60 LRT; 24 LT Bait: Rolled oats

Collector: Reise

Results:

Oryzomys longicaudatus philippii 4 ♂ ad. (DR 1783) ♀ ad. (DR 1786) ad. (DR 1781, 1782).

Akodon olivaceus pencanus 1/1 ♂ ad. (DR 1788) ♀ ad. (DR 1784).

Phyllotis darwini boedeckeri 1/1 ♂ ad. (DR 1785) ♀ ad. (DR 1787).

Rattus rattus 2 ad. (DR 1779, 1780).

19. Pingeral: Coast, 3 km N of Dichato, Ñuble, 72°56'S - 36°31'W, 5 m.

Biotope; shrubs of *Rubus ulmifolius* at the shore of a rivulet.

Date; 15. - 16.10.1972

Climatic cond.; Dry, warm.

Method; 19 LT Bait: Rolled oats

Collector: Reise

Results:

Oryzomys longicaudatus philippii 1/2 ♂ ad. (DR 1201) ♀ ad. (DR 1199, 1200).

Akodon olivaceus pencanus 2/2 ♂ ad. (DR 1202, 1203) ♀ ad. (DR 1204, 1205).

20. Ñipas: 2 km S of San Ignacio, Fundo Rösle, Ñuble 72°36'S - 36°38'W, 80 m.

Biotope; *Nothofagus* forest in a ravines, shrubs of *Rubus ulmifolius* on grassland; vineyards.

Date: 11. - 13.10.1970

Climatic cond.; Sunshine, dry, warm.

Method: 83 LRT Bait: Rolled oats

Collector: Reise

Results:

Oryzomys longicaudatus philippii 1/2 ♂ ad. (DR 356) ♀ ad. (DR 349, 350).

Akodon longipilis aptus 1/1 ♂ ad. (DR 358) ♀ ad. (DR 347).

Akodon longipilis aptus 1/1 ♂ ad. (DR 358) ♀ ad. (DR 347).

Rattus rattus 5 (DR 351-355).

21. El Roble: Fundo NE of the bridge crossing Rio Itata in the road Concepcion - Bulnes, Ñuble, 72°24'S - 36°43'W.

Biotope: In the northernmost part of the Fundo, formerly dunes with middle chilean dwarf shrubs (*Satureion gilliesii*, Oberdorfer 1960).

Date; I. 09. - 10.09.1972 II. 26. - 27.10.1973

Climatic cond.: Dry, warm.

Method: I. 60 LRT; 24 LT II. 20 LRT; 26 VO

Collector: Reise

Results:

Akodon olivaceus pencanus 4/4 ♂ ad. (DR 1196, 1761, 1763, 1765) ♀ ad. (DR 1195, 1197, 1762, 1764).

Phyllotis darwini fulvescens 1/0 ♂ ad. (DR 1194).

Aconaemys fuscus fuscus 2/0 ♂ ad. (DR 1759, 1760).

22. Aguas calientes: 5 km E of Termas Chillan, river source of Rio Diguillin, Ñuble, 71°23'S - 36°54'W, 2000 m.

Biotope: High Andean grassland with rich vegetation along the hot rivulets (*Gunnera tinctoria*, *Senecio* sp., *Blechnum* sp., *Cortaderia* sp.).

Date: I. 03. - 04.04.1971 II. 31.03. - 02.04.1973

Climatic cond.: Days hot, sunshine; nights with frost.

Method: I. 10 LRT; II. 60 LRT; 80 LT; 25 VO

Collector: I. Reise II. Venegas & Reise

Results:

Oryzomys longicaudatus philippii 4/1 ♂ ad. (MZUCC 5183-5185, DR 1603-1605) ♀ ad. (DR 15896).

Akodon longipilis hirtus 6/4 ♂ ad. (DR 1593, 1597, 1598, 1601, 1602, MZUCC 5165) ♀ ad. (DR 1594, 1599, 1600, MZUCC 5161).

- Auliscomys micropus micropus* 2/0 ♂ ad. (DR 1595, 1655).
Euneomys mordax 0/1 ♀ ad. (DR 829).
Ctenomys maulinus maulinus 7 (DR 1606-1611, 1758).
23. Garganta del Diablo: Surroundings of the refugio Club Andino Aleman on the W side of the Chillan volcano, Ñuble, 71°25'S - 36°54'W, 2000 m.
Biotope: *Nothofagus antarctica* shrubs with *Festuca* grassland. High plains of volcanic grain; main plant *Adesmia cf. longipes* (*Poa vulcanica* like association, Oberdorfer 1960).
Date: 23. - 26.03.1972
Climatic cond.: Very variable, sunshine to snowfall.
Method: 60 LRT; 40 LT; 10 VO Bait: Rolled oats
Collector: Reise
Results:
Oryzomys longicaudatus philippii 2 ♂ ad. (DR 1069). J. (DR 1091).
Akodon longipilis hirtus 7/4 ♂ ad. (DR 1081, 1091, 1094, 1097, 1098, 1228, 1229) ♀ ad. (DR 1089, 1093, 1095, 1096).
Chelemys macronyx macronyx 6/4 ♂ ad. (DR 1083 - 1086, 1092, MZUCC 5141) ♀ ad. (DR 1074, 1087, 1088, 1101).
Geoxus valdivianus valdivianus 2/1 ♂ ad. (DR 1078, 1079) ♀ ad. (DR 1068).
Auliscomys micropus micropus 6/3 ♂ ad. (DR 1071, 1075-1077, 1080, 1099) ♀ ad. (DR 1067, 1070, 1099).
Euneomys mordax 0/1 ♀ ad. (DR 1082).
Ctenomys maulinus maulinus 5/7 ♂ ad. (DR 1072, 1073, 1106-1108) ♀ ad. (DR 1066, 1102-1105, 1109, 1110).
24. Aserradero - Chillan: 7 km below Termas Chillan, NE of the bridge across the Rio Renegado, Ñuble, 71°25'S - 36°54'W, 1250 m.
Biotope: Publication in preparation.
Date: 1969-1974.
Method: All types of traps.
Collectors: Venegas & Reise
Results:
Dromiciops australis australis 4/3 ♂ ad. (DR 128, 129, 961, 964) ♀ ad. (DR 949, 963, 995).
Oryzomys longicaudatus philippii 35 ♂ ad. (DR 139, 834, 837, 845, 861, 897, 980, 981, 983, 985, 1236, 1238, 1635, 1735, MZUCC 5178, 5210, 5213) ♀ ad. (DR 146, 208, 832, 839, 856, 857, 858, 982, 1198, 1210, MZUCC 5211) j. (DR 127, 165, 174, 873, 1632, MZUCC 5179, 5209).
Akodon olivaceus pencanus 47 ♂ ad. (DR 154, 164, 197, 202, 206, 210, 211, 216, 836, 840, 859, 890, 900, 957, 973, 1231, 1233, 1241, 1619, MZUCC 5166, 5167, 5169) ♀ ad. (DR 62, 88, 140, 150, 166, 170, 187, 188, 198, 204, 215, 862, 951, 959, 986, 1220, 1237, MZUCC 5168) (DR 138, 184, 846, 895, 951, 1620, 1626, MZUCC 5207).
Akodon longipilis hirtus 349 ♂ ad. (DR 1, 56, 59, 61, 63, 73, 79, 83-86, 130, 131, 134, 136, 142, 143, 145, 149, 152, 159, 163, 167, 172, 173, 182, 183, 185, 186, 193, 195, 200, 203, 207, 209, 212, 313, 315, 316, 321, 329, 332, 333, 337, 340-342, 359, 360, 795-798, 801, 802, 804-806, 811, 814-817, 820, 822, 824, 831, 847, 865, 871, 872, 874, 877, 888, 889, 899, 901, 968-970, 972, 974, 977, 979, 984, 987, 993, 997, 1064, 1213, 1214, 1216, 1218, 1222, 1224, 1225, 1235, 1709, 1714, 1715, 1723-1728, 1737, 1742, 1745, 1746, 1749, 1752, 1790, 1792, 1796-1798, 1860, 1862, 1863, 1866, MZUCC 5143, 5146-5149, 5152, 5155, 5156, 5215, 5216, 5221, 5223) ♀ ad. (DR 2, 57, 64-66, 69, 71, 74, 80-82, 87, 132, 133, 135, 144, 153, 181, 190, 194, 201, 312, 314, 322, 323, 325, 328, 338, 343, 346, 799, 800, 803, 819, 821, 823, 825, 830, 868, 875, 876, 879, 894, 971, 988-992, 1212, 1215, 1219, 1221, 1223, 1232, 1242, 1621, 1646-1648, 1707, 1708, 1713, 1743, 1744, 1747, 1753, 1754, 1789, 1791, 1793-1795, 1861, 1864, 1867) (DR 72, 90-96, 126, 180, 850, 881, 1234, 1638, 1716-1719, 1751, 1799, 1869-1871, MZUCC 5144, 5145, 5150, 5151, 5153, 5154, 5206, 5220, 5222).
Chelemys macronyx macronyx 6/6 ♂ ad. (DR 123, 168, 844, 947, 1629, MZUCC 5139) ♀ ad. (DR 78, 124, 141, 157, 1207, 1729).
Geoxus valdivianus valdivianus 10/5 ♂ ad. (DR 76, 89, 189, 334, 843, 852, 948, 955, 1721, 1802) ♀ ad. (DR 151, 344, 809, 818, 853).
Auliscomys micropus micropus 89 ♂ ad. (DR

58, 67, 68, 148, 155, 156, 161, 162, 171, 177, 179, 191, 196, 826, 833, 835, 842, 848, 849, 854, 885, 891-893, 898, 954, 967, 978, 994, 1208, 1245, 1706, 1734, 1741, MZUCC 5187, 5208, 5212) ♀ ad. (DR 70, 125, 147, 160, 175, 176, 192, 199, 205, 213, 339, 345, 807, 808, 813, 828, 841, 855, 860, 863, 882-884, 886, 887, 896, 952, 958, 965, 975, 976, 996, 1733, 1736, 1748, 1750) (DR 60, 77, 137, 169, 178, 214, 838, 960, 1239, 1711, 1722, MZUCC 5186, 5188, 5214).

Irenomys tarsalis tarsalis 0/2 ♀ ad. (DR 158, 1801).

Aconaemys fuscus fuscus 22/19 ♂ ad. (DR 311, 318 - 320, 327, 330, 336, 793, 794, 812, 827, 1702, 1703 - 1705, 1710, 1712, 1730, 1732, 1738, 1872, 1873) ♀ ad. (DR 317, 324, 326, 331, 335, 792, 810, 851, 950, 956, 1206, 1226, 1731, 1739, 1740, 1755 - 1757, 1874).

Ctenomys maulinus maulinus 7/7 ♂ ad. (DR 1065, 1127, 1140, 1142, 1800, 1865) ♀ ad. (DR 1125, 1126, 1128-1130, 1141, 1868).

Rattus norvegicus ad. (DR 75).

25. Tumbes: Peninsular Tumbes, 3 km W of Talcahuano, Concepcion, 73°09'S - 36°42'W, 150 m.

Biotope: Valley of a rivulet going down to the sea with thicket out of *Peumus boldus*, *Aristotelia chilensis*, *Blechnum chilense* and *Juncus* sp.; higher up on the slopes open grassland.

Date: 21. - 22.06.1969

Climatic cond.: Cloudy, cold; in the morning rain and storm.

Method: 25 LRT Bait: Rolled oats

Collectors: Thiede & Reise

Results:

Akodon longipilis aptus 2/0 ♂ ad. (DR 9, 10).

Rattus norvegicus 0/1 ♀ ad. (DR 11).

26. Tetas: 21 km NW of Concepcion, S slope, road to whale factory, Concepcion, 73°11'S - 36°47'W, 150 m.

Biotope: Bushy thickets (*Peumus boldus*, *Aristotelia chilensis*, *Lithraea caustica*).

Date: 15. - 16.06.1969

Climatic cond.: Dry, warm; after a long period of rainfall.

Method: 15 LRT Bait: Rolled oats

Collector: Reise

Results:

Oryzomys longicaudatus philippii 1/0 ♂ j. (DR 5).

Akodon longipilis aptus 2 (DR 7, 8).

Rattus rattus 1/0 ♂ ad. (DR 6).

27. Rocoto: 17 km from Concepcion, S of the road to Ramuncho, Concepcion, 73°11'S - 36°47'W, 100 m.

Biotope: Dry grassland; sothslope with bushes of *Lithraea caustica* and *Puya chilensis*, ending in a valley of a rivulet with high vegetation, rest of a former forest.

Date: 04. - 07.07.1970

Climatic cond.: Dry, cold, cloudy.

Method: 47 LRT Bait; Rolled oats

Collector: Reise

Results:

Dromiciops australis australis 1/0 ♂ ad. (DR 275).

Oryzomys longicaudatus philippii 1 ad. (DR 274).

Akodon olivaceus pencanus 0/3 ♀ ad. (DR 269, 270, 273).

Akodon longipilis aptus 2/1 ♂ ad. (DR 264, 272) ♀ ad. (DR 268).

Rattus rattus 4/5 ♂ ad. (DR 259, 261, 266, 271) ♀ ad. (DR 260, 262, 263, 265, 267).

28. Hualpen: 16 km W Concepcion; terrain of the University of Concepcion, upper part of a slope going down to E., Concepcion, 73°11'S - 36°47'W, 50 m.

Biotope: Thick, grounwet *Chusquea* sp. vegetation.

Date: 19. - 26.10.1971

Climatic cond.: Dry, warm.

Method: Population density measurements, quadratmethod; 90 LRT Bait: Rolled oats

Collectors; Students & Reise

Results:

Oryzomys longicaudatus philippii 2/1 ♂ ad. (DR 902, 903) ♀ ad. (DR 904).

29. San Pedro: 4 km SW of Concepcion, E side of Laguna Grande San Pedro, Concepcion, 73°06'S - 36°52'W, 100 m.

Biotope; Bushy forest (*Peumus boldus*, *Lithraea caustica*, *Pinus radiata*, *Gevuina avellana*, *Aristotelia chilensis*, *Drimys winteri*, *Myrceugenella* sp., *Chusquea* sp.), lower parts with swamp, *Blechnum chilense*.

- Date: 29. - 31.08.1969
Climatic cond.: Cloudy, cold; without rainfall.
Method: 23 LRT Bait; Rolled oats, walnuts
Collector: Reise
Results:
Akodon olivaceus pencanus 0/1 ♀ j. (DR 55).
30. La Posada: 17 km S of Concepcion, 200 m E of the road Concepcion - Coronel, Concepcion, 73°08'S - 37°23'W, 50 m.
Biotope: Uncultivated grassland with bushes of *Peumus boldus* and *Lithraea caustica*; shrubs of *Ugni molinae* mixed with high grass.
Date: 27. - 30.04.1970
Climatic cond.: Sunshine; nights wet and cold.
Method: 60 LRT Bait; Rolled oats
Collector: Reise
Results:
Akodon olivaceus pencanus 4/2 ♂ ad. (DR 234, 242, 243, 245) ♀ ad. (DR 240, 241).
Rattus rattus 3/3 ♂ ad. (DR 236, 237, 244) ♀ ad. (DR 235, 238, 239).
31. Antuco: N slope of the volcano Antuco, 5 km E of the Refugio de la Universidad de Concepcion, Biobio, 71°18'S - 37°12'W, 1200 m.
Biotope: Isolated vegetation on a slope with a spring, shrubs of *Nothofagus antarctica*, *Ribes sp.* and *Festuca sp.*
Date: I. 26. - 29.03.1970 II. 12. - 14.11.1972
Climatic cond.: Sunshine, dry, nights with frost.
Method: I. 59 LRT; II. 80 LRT Bait; Rolled oats
Collector: Reise
Results:
Akodon longipilis hirtus 6/4 ♂ ad. (DR 226, 227, 230, 231, 916, 918) ♀ ad. (DR 223-225, 228).
Chelemys macronyx macronyx 4/1 ♂ ad. (DR 217, 233, 917, 921) ♀ ad. (DR 920).
Geoxus valdivianus valdivianus 1/0 ♂ ad. (DR 222).
Auliscomys micropus micropus 4/1 ♂ ad. (DR 219-221, 919) ♀ ad. (DR 229).
Euneomys mordax 2 ♀ ad. (DR 218) j. (DR 232).
32. Parque Nacional de Nahuelbuta: W of Vegas Blancas, Malleco, 73°07'S - 37°53'W, 1000 m.
Biotope: Coihue (*Nothofagus dombeyi*) natural forest, *Festuca* association, araucarian (*Araucaria araucana*) forest.
Date: I. 26. - 28.11.1970 II. 26. - 29.12.1973
Method: I. 80 LRT; II. 60 LRT; 60 LT; 50 VO
Bait: Rolled oats
Collectors: I. Reise II. Venegas & Reise
Results:
Akodon olivaceus pencanus 7 ♂ ad. (DR 935, 936, 943, 1857-1859) (DR 1851).
Akodon longipilis aptus 24 ♂ ad. (DR 922, 923, 927, 928, 930, 932-934, 937, 944, 1846, 1852, MZUCC 5218) ♀ ad. (DR 924-926, 929, 1854-1856) (DR 998, 999, 1845, 1850, 1861, MZUCC 5142, 5217, 5219).
Geoxus valdivianus valdivianus 1/0 ♂ ad. (DR 939).
Auliscomys micropus micropus 1/0 ♂ ad. (MZUCC 5239).
Octodon bridgesi 0/2 ♀ ad. (DR 1853, MZUCC 5245).
Aconaemys fuscus fuscus 5/5 ♂ ad. (DR 940, 942, 946, MZUCC 5233, 5234) ♀ ad. (DR 931, 938, 941, 945, MZUCC 5235).
33. Tiriua: 20 km SE on the road Tiriua - Pto. Saavedra, costal mountains, Cautin, 73°23'S - 38°24'W, 200 m.
Biotope: Cultivated grassland. slopes with *Nothofagus* deciduous forest, poor low vegetation.
Date: 28. - 30.12.1069
Climatic cond.: Sunshine, warm.
Method: 63 LRT Bait; Rolled oats
Collector: Reise
Results:
Rattus norvegicus 1/0 ♂ ad. (DR 97).
34. Termas Tolhuaca: 500 m N of the thermal springs, Malleco, 71°55'S - 38°20'W, 700 m.
Biotope: Araucarian - coihue forest (*Araucaria araucana*, *Nothofagus dombeyi*), with dense low vegetation (*Chusquea sp.*).
Date: 21. - 22.02.1970
Climatic cond.: Clear; dry nights with frost.
Method: 60 LRT Bait; Rolled oats

- Collector: Reise
 Results:
Akodon olivaceus pencanus 1/0 ♂ ad. (DR 118).
Akodon longipilis hirtus 1/1 ♂ ad. (DR 120) ♀ ad. (DR 119).
Rattus norvegicus 0/1 ♂ ad. (DR 117).
35. Llaima: 1 km below of the Refugio Club Andino Llaima, 76 km E of Cajon, Cautin, 71°43'S - 38°39'W, 1200 m.
 Biotope: Open Araucarian forest with *Festuca* grassland, in lower areas with a high forest out of *Nothofagus dombeyi* and *N. alpina* with dense low vegetation. Some parts with *Nothofagus antarctica* shrubs.
 Date: 08. - 10.12.1970
 Climatic cond.: Sunshine; nights with frost.
 Method: 90 LRT Bait: Rolled oats
 Collector: Reise
 Results:
Akodon longipilis hirtus 3/0 ♂ ad. (DR 361-363).
Geoxus valdivianus valdivianus 1/0 ♂ ad. (DR 364).
36. Paso de los Raices: 58 km W of Curacautin, beside of the road to Paso Pino Hachado, highest part of the pass 'Los Raices'; Malleco; 71°23'S-38°26'W; 1200 m.
 Biotope: Timber forest of *Nothofagus pumilio*, on the slopes N and E with shrubs of *Nothofagus antarctica* (*Nothofagetum antarcticae*, Skottsberg 1916), on S slopes between Araucarian forest and association of *Phleum alpinum* (Oberdorfer 1960).
 Date: 18. - 21.12.1972
 Climatic cond.: Dry, hot; nights with frost.
 Method: 80 LRT; 60 LT; 20 VO Bait: Rolled oats
 Collectors: Venegas & Reise
 Results:
Chelemys macronyx vestitus 4 ♂ ad. (DR 1286) ♀ ad. (DR 1287, 1300) (DR 1309).
Akodon longipilis hirtus 2/1 ♂ ad. (DR 1288, 1297) ♀ ad. (DR 1304).
Geoxus valdivianus valdivianus 5/3 ♂ ad. (DR 1293-1295, 1299, 1401) ♀ ad. (DR 1289, 1292, 1302).
Auliscomys micropus micropus 3/1 ♂ ad. (DR 1290, 1291, 1401). ♀ ad. (DR 1296).
Ctenomys maulinus brunneus 5/0 ♂ ad. (DR 1298, 1303, MZUCC 5262-5264).
37. Lonquimay: 2 km W of Lonquimay in direction to 'Paso de los Raices', Malleco, 71°22'S - 38°26'W, 900 m.
 Biotope: Open *Nothofagus pumilio* forest with shrubs of *Rubus constrictus*.
 Date: 05. - 06.05.1972
 Climatic cond.: Cold, cloudy; night with heavy snowfall.
 Method: 50 LRT; 40 LT Bait: Rolled oats
 Collectors: Venegas & Reise
 Results:
Akodon longipilis hirtus 0/1 ♀ ad. (DR 1143).
38. Galletue: W shore of Lago Galletue, Malleco, 71°20'S - 38°42'W, 800 m.
 Biotope: Rests of an araucarian forest (*Araucaria araucana*), bushy forest of *Nothofagus pumilio*, shrubs of *Nothofagus antarctica*.
 Date: 15. - 18.12.1972
 Climatic cond.: Dry, hot; night - 4°C.
 Method: 40 LRT; 60 LT; 20 VO
 Bait: Rolled oats, peanuts, grease, cheese.
 Collectors: Venegas & Reise
 Results:
Oryzomys longicaudatus philippi 1 (DR 1280).
Akodon longipilis hirtus 14 ♂ ad. (DR 1264 - 1266, 1274, 1275) ♀ ad. (DR 1262, 1263, 1267, 1268, 1276) (DR 1269, 1281 - 1283).
Chelemys macronyx macronyx 1/1 ♂ ad. (DR 1279) ♀ ad. (DR 1273).
Geoxus valdivianus valdivianus 1/2 ♂ ad. (DR 1272) ♀ ad. (DR 1261, 1285).
Auliscomys micropus micropus 0/1 ♀ ad. (DR 1277).
Ctenomys sp. 4 (DR 1270, 1271, 1284, 1278).
39. Laguna Verde: 10 km N of Melipeuco, near the road to Laguna Verde/Llaima, Cautin, 71°37'S - 38°40'W, 1000 m.
 Biotope: Timberforest of coihue and lenga (*Nothofagus dombeyi*, *N. alpina*), rests of trees on the ground, poor low vegetation.
 Date: 27. - 28.02.1970
 Climatic cond.: Rain, cold.
 Method: 60 LRT Bait: Rolled oats
 Collector: Reise
 Results:
Oryzomys longicaudatus philippii 1/1 ♂ ad. (DR 121) ♀ ad. (DR 122).

40. Lago Tromen: 6 km E of the Chilean border, near the outlet of Lago Tromen, Rio Malleo, Neuquen, Argentina, 71°25'S - 39°35'W, 1000 m.
Biotope: Low forest of *Nothofagus pumilio* at the riverside, spurs of pampa with grassland.
Date: 26. - 31.01.1973
Climatic cond.: Dry, warm.
Method: 60 LRT; 20 VO Bait: Rolled oats
Collector: Reise
Results:
Oryzomys longicaudatus philippii 4/2 o ad. (DR 1382, 1386, 1387, 1412) o ad. (DR 1401, 1395).
Akodon olivaceus brachiotis 5/2 o ad. (DR 1400, 1406, 1410, 1411, 1415) o ad. (DR 1402, 1407).
Akodon longipilis hirtus 14 o ad. (DR 1383, 1384, 1404, 1409, 1414) o ad. (DR 1381, 1403, 1408) (DR 1388-1390, 1416-1418).
Geoxus valdivianus valdivianus 0/1 o ad. (DR 1385).
Auliscomys micropus micropus 1/0 o ad. (DR 1413).
Ctenomys sp. 4/4 o ad. (DR 1380, 1396, 1398, 1405) o ad. (DR 1379, 1397, 1399, 1419).
41. Villarrica: SW part of the volcano Villarrica, above of Pucura, near a stream of new lava, Cautin, 72°04'S - 39°29'W, 400 m.
Biotope: Rests of a temperate deciduous forest (*Nothofagetum obliquae*, Pisano 1956) with cleared areas which are used as grassland for cattle.
Date: 26. - 27.02.1972
Climatic cond.: Dry, warm.
Method: 30 LRT Bait: Rolled oats
Collector: Reise
Results:
Akodon olivaceus brachiotis 0/1 o ad. (DR 1049).
42. Lago Puyehue: 65 km E of Osorno on the road to Argentina, camping place 'Muelle de las Piedras', Osorno, 72°27'S - 40°42'W, 250 m.
Biotope: *Rubus constrictus* bushes at the lake shore.
Date: I. 08. - 10.01.1970; II. 10. - 11.01.1973
Climatic cond.: I. Variable, rainy, cold; II. Rain, storm, cold.
Method: I. 10 LRT; II. 30 LRT Bait: Rolled oats
Collector: Reise
Results:
Akodon olivaceus brachiotis 1/2 ♂ ad. (DR 1332) ♀ ad. (DR 1331, 1333).
Akodon longipilis aptus 5/1 ♂ ad. (DR 98-100, 1328, 1329) ♀ ad. (DR 1330).
Rattus rattus 2 (DR 1334, 1335).
43. Paso Puyehue: Just on the highest point of the international road Osorno - Argentina, Osorno, 71°50'S - 40°36'W, 1479 m.
Biotope: *Nothofagus antarctica* dwarf scrubs and *Festuca* grassland.
Date: 12. - 15.01.1973
Climatic cond.: Dry, cold, partially cloudy.
Method: 60 LRT Bait: Rolled oats
Collector: Reise
Results:
Akodon longipilis hirtus 3/1 ♂ ad. (DR 1341, 1346, 1350) ♀ ad. (DR 1347).
Chelemys macronyx vestitu 4/4 ♂ ad. (DR 1337, 1339, 1340, 1342) ♀ ad. (DR 1338, 1344, 1348, 1349).
Auliscomys micropus micropus 3/0 ♂ ad. (DR 1336, 1343, 1345).
44. Osorno: W side of the volcano Osorno, near the Refugio Club Leones, Llanquihue, 72°33'S - 41°07'W, 1400 m.
Biotope: Mountain dwarf scrubs with *Festuca* grassland (*Nothofagus pumilio*, *N. antarctica*, *Berberis sp.*); rests of high forest of *Nothofagus pumilio*.
Date: 06. - 09.01.1973
Climatic cond.: Rainy, storm, cold.
Method: 42 LRT Bait: Rolled oats
Collector: Reise
Results:
Dromiciops australis australis 1/0 ♂ ad. (DR 1316).
Akodon olivaceus brachiotis 2/1 ♂ ad. (DR 1315, 1321) ♀ ad. (DR 1322).
Akodon sanborni 3/5 ♂ ad. (DR 1317, 1318, 1325) ♀ ad. (DR 1319, 1320, 1323, 1326, 1327).
Geoxus valdivianus valdivianus 1/0 ♂ ad. (DR 1324).
45. Chepu: 15 km E before Chepu, Chiloe, 73°52'S - 42°05'W, 200 m.

Biotope: Intact valdivian rainforest (Nothofagetum nitidae, Pizano 1956) with small cleared ares.

Date: 02. - 03.01.1973

Climatic cond.: Night dry, warm; morning rainy.

Method: 40 LRT Bait: Rolled oats

Collector: Reise

Results:

Akodon olivaceus brachiotis 0/1 ♀ ad. (DR 1310).

Akodon sanborni 2/2 ♂ ad. (DR 1311, 1314) ♀ ad. (DR 1312, 1313).

46. Tronador: E of mount Tronador, valley of Rio Manso, 3 km NW of Pampa Linda, Rio Negro, Argentina, 71°48'S - 41°13'W, 800 m.

Biotope: Bushes of *Nothofagus antarctica*, *Berberis sp.* with grassland.

Date: 18. - 19.01.1973

Climatic cond.: Day hot; night + 8°C, moonlight.

Method: 60 LRT Bait: Rolled oats

Collector: Reise

Results:

Akodon olivaceus beatus 1/0 ♂ ad. (DR 1353)

Akodon longipilis moerens 3/1 ♂ ad. (DR 1354, 1361, 1363) ♀ ad. (DR 1362).

Auliscomys micropus micropus 2/6 ♂ ad. (DR 1357, 1365) ♀ ad. (DR 1355, 1356, 1358-1360, 1364).

47. Lago Steffen: 60 km S of Bariloche, 9 km towards the lake, 25 km E of the Chilean border, Rio Negro, Argentina, 71°33'S - 41°31'W, 600 m.

Biotope: Andean scrubs (*Chusquea tenuiflora*), low bushes changing in a lenga forest (*Nothofagus pumilio*).

Date: 23. - 24.12.1970

Climatic cond.: Rain, cold.

Method: 68 LRT Bait: Rolled oats

Collector: Reise

Results:

Akodon longipilis moerens 4/3 ♂ ad. (DR 366-368, 370) ♀ ad. (DR 365, 371, 372).

Auliscomys micropus micropus 0/1 ♀ ad. (DR 369).

48. Futalafquen: 3 km W of Los Tepues, N side of Lago Futalafquen, Chubut, Argentina, 71°40'S - 42°50'W, 500 m.

Biotope: Open bushland with elements of the valdivian rainforest which have grown up after being burned.

Date: 25. - 28.12.1970

Climatic cond.: Cloudy, variable, sunshine to snowfall.

Method: 90 LRT Bait: Rolled oats

Collector: Reise

Results:

Oryzomys longicaudatus philippii 1/2 ♂ ad. (DR 389) ♀ ad. (DR 390, 391).

Akodon olivaceus brachiotis 10/6 ♂ ad. (DR 374, 375, 377, 381, 383-386, 388, 396) ♀ ad. (DR 378, 379, 382, 387, 393, 395).

Akodon longipilis suffusus 4/1 ♂ ad. (DR 376, 380, 392, 394) ♂ ad. (DR 373).

49. Rio Simpson: 10 km E before Puerto Aisen, Aisen, 72°30'S - 45°25'W, 200 m.

Biotope: Dense vegetation at the river-shore with blackberry (*Rubus constrictus*).

Date: 29. - 30.12.1970

Climatic cond.: Cold, rainy.

Method: 30 LRT Bait: Rolled oats

Collector: Reise

Results:

Rattus norvegicus 1/0 ♂ ad. (DR 401).

50. Cuesta del Diablo: 40 km N of Puerto Ibañez near the road to Coihaique, Coihaique, 72°02'S - 46°04'W, 1100 m.

Biotope: See Reise, D. y Venegas, W. (1974).

Date: 23. - 26.02.1973

Climatic cond.: (see above).

Method: 60 LRT; 70 LT Bait: Rolled oats, grease, peanut.

Collectors: Venegas & Reise

Results:

Oryzomys longicaudatus magellanicus 11/0 ♂ ad. (DR 1544, 1546, 1553, 1554, 1566-1568, 1572, 1574).

Akodon xanthorhinus canescens 5/0 ♂ ad. (DR 1542, 1573, 1575-1577).

Akodon longipilis suffusus 4/4 ♂ ad. (DR 1552, 1565, 1579, 1580) ♀ ad. (DR 1547, 1564, MZUCC 5159, 5160).

Chelemys macronyx vestitus 3/8 ♂ ad. (DR 1541, 1583, 1584) ♀ ad. (DR 1545, 1549, 1557, 1559, 1560, 1563, 1569, MZUCC 5140).

Auliscomys micropus micropus 14/2 ♂ ad. (DR 1540, 1543, 1550, 1556, 1558, 1561, 1562,

- 1570, 1571, 1578, 1581, 1582, MZUCC 5190, 5191) ♀ ad. (DR 1548, 1551).
Irenomys tarsalis longicaudatus 1/0 ♂ ad. (DR 1555).
Geoxus valdivianus bicolor 1/1 ♂ ad. (DR 1539) ♀ ad. (DR 1538).
51. Puerto Ibañez: Salto Ibañez, near Lago General Carrera, General Carrera, 71°58'S - 46°16'W, 300 m.
Biotope: See Reise, D. y Venegas, W. (1974).
Date: 1. 02. - 03.01.1971 II, 19. - 23.02.1973
Climatic cond.: (see above).
Method: I. 70 LRT; II. 62 LRT; 70 LT
Bait: Rolled oats, grease, peanuts.
Collectors: Venegas & Reise
Results:
Oryzomys longicaudatus magellanicus 16/10 ♂ ad. (DR 413, 1438, 1454, 1458, 1483, 1502, 1508, 1510, 1512, 1523, 1526, 1529, 1533 - 1535, 1588) ♀ ad. (DR 1433, 1442, 1455, 1484, 1486, 1487, 1511, 1516, 1530, 1536).
Akodon xanthorhinus canescens 16/9 ♂ ad. (DR 1473-1475, 1488, 1500, 1506, 1507, 1509, 1513, 1520, 1521, 1525, 1528, 1537, 1587, MZUCC 5177) ♀ ad. (DR 1472, 1476-1479, 1498, 1518, 1519, MZUCC 5176).
Akodon longipilis suffusus 16/8 ♂ ad. (DR 403, 404, 407, 408, 1434, 1437, 1451, 1456, 1480, 1497, 1505, 1514, 1524, 1527, 1532, MZUCC 5162) ♀ ad. (DR 402, 405, 406, 409, 1481, 1482, 1496, 1515) (DR 1504).
Phyllotis darwini xanthopygus 18/20 ♂ ad. (DR 416, 1439, 1441, 1443, 1444, 1446-1448, 1450, 1452, 1459, 1463, 1465, 1467, 1489, 1493, 1585, 1586) ♀ ad. (DR 414, 415, 417, 1430, 1431, 1436, 1445, 1449, 1460-1462, 1464, 1488, 1490-1492, 1494, 1495, 1501, 1550).
Auliscomys micropus micropus 10/7 ♂ ad. (DR 410-412, 1435, 1440, 1468, 1471, 1522, 1531, MZUCC 5189) ♀ ad. (DR 1432, 1453, 1457, 1466, 1469, 1470, 1589).
Mus musculus 2/1 ♂ ad. (DR 1485, 1503) ♀ ad. (DR 1517).
km W of the passport control, Capitan Prat, 72°03'S - 47°06'W, 500 m.
Biotope: See Reise, D. (1977).
Date: 04. - 10.01.1971
Climatic cond.: (see above).
Method: 92 LRT Bait: Rolled oats
Collector: Reise
Results:
Oryzomys longicaudatus magellanicus 15/12 ♂ ad. (DR 432-434, 437, 439, 463, 500, 503, 521, 525, 547, 549, 550, 579, 583) ♀ ad. (DR 435, 436, 438, 460, 461, 509, 510, 533, 548, 560, 580, 584).
Akodon longipilis suffusus 20/12 ♂ ad. (DR 464, 466, 473, 476-478, 480, 481, 505, 507, 508, 519, 524, 537, 543-545, 556, 571, 577) ♀ ad. (DR 474, 475, 479, 495, 504, 506, 527, 536, 538, 562, 563, 567).
Chelemys macronyx alleni 16/7 ♂ ad. (DR 425, 431, 482, 483, 485-487, 491, 497, 512, 535, 539, 542, 564, 581, 585) ♀ ad. (DR 427, 484, 488-490, 526, 576).
Phyllotis darwini xanthopygus 1/1 ♂ ad. (DR 493) ♀ ad. (DR 572).
Auliscomys micropus micropus 14/9 ♂ ad. (DR 428, 430, 468, 470, 471, 492, 494, 499, 534, 540, 541, 546, 554, 570) ♀ ad. (DR 426, 429, 462, 465, 467, 469, 472, 561, 582).
Reithrodon physodes cuniculoides 33/19 ♂ ad. (DR 424, 442, 443, 445, 447-450, 452, 455-458, 496, 498, 501, 511, 513, 516, 517, 520, 522, 528, 530, 532, 551, 557, 559, 565, 573-575, 578) ♀ ad. (DR 440, 441, 444, 446, 451, 453, 454, 459, 502, 514, 515, 518, 523, 529, 531, 553, 555, 558, 566).
Microcavia australis australis 1 ♂ ad. (DR 568).
53. La Posada: 12 km E of the Chilean border, 3 km S of the road Argentina - Valle Chacabuco, road to Lago Posadas, Santa Cruz, Argentina, 72°45'S - 47°10'W, 800 m.
Biotope: East Patagonian bush-steppe (Weischet 1970), rocks with caves.
Date: 10. - 11.01.1971
Climatic cond.: Clear, stormy, cold.
Method: 60 LRT Bait: Rolled oats
Collector: Reise
Results:
Akodon xanthorhinus canescens 5/1 ♂ ad. (DR 590, 594-597) ♀ ad. (DR 598).
52. Valle Chacabuco: N of Lago Cochrane, 5

- Akodon longipilis suffusus* 2/0 ♂ ad. (DR 592, 593).
Phyllotis darwini xanthopygus 0/1 ♀ ad. (DR 591).
Reithrodon physodes cuniculoides 0/1 ♀ ad. (DR 589).
Microcavia australis australis 0/3 ♀ ad. (DR 586-588).
54. Laguna Amarga: 2 km N of Laguna Amarga, SE of Cordillera Paine, Ultima Esperanza, 73°00'S - 50°57'W, 300 m.
 Biotope: Former river terrace, ñitre shrubs (*Nothofagus antarctica*, *Berberis buxifolia*, *Escallonia* sp.), in higher parts with elements of the pampa.
 Date: 23. - 25.01.1971
 Climatic cond.: Dry, cold.
 Method: 60 LRT Bait: Rolled oats
 Collector: Reise
 Results:
Oryzomys longicaudatus magellanicus 5/6 ♂ ad. (DR 630, 640, 651, 664, 666) ♀ ad. (DR 648, 655, 656, 658, 667, 670).
Akodon xanthorhinus canescens 6/2 ♂ ad. (DR 633-635, 646, 660, 663) ♀ ad. (DR 642, 669).
Akodon longipilis nubilus 10/5 ♂ ad. (DR 629, 638, 643, 645, 647, 652, 653, 657, 671) ♀ ad. (DR 639, 659, 661, 662, 668).
Auliscomys micropus micropus 4/2 ♂ ad. (DR 631, 637, 641, 665) ♀ ad. (DR 632, 654).
Reithrodon physodes pachycephalus 2/1 ♂ ad. (DR 649, 650). ♀ ad. (DR 636).
55. Lago Pehoe: Bay E of the Saltos Pehoe, S of Cordillera Paine, Ultima Esperanza, 73°00'S - 51°05'W 250 m.
 Biotope: Swampy grass slope with bushes of *Nothofagus pumilio*, in higher parts with dense vegetation of *Nothofagus antarctica*, *Berberis buxifolia*, *Mulinum spinosum*, *Cordalia* sp.
 Date: 20. - 22.01.1971
 Climatic cond.: Rainy, cold.
 Method: 50 LRT Bait: Rolled oats
 Collector: Reise
 Results:
Oryzomys longicaudatus magellanicus 6/3 ♂ ad. (DR 613, 614, 616, 617, 620, 621) ♀ ad. (DR 615, 618, 619).
Akodon longipilis nubilus 4/3 ♂ ad. (DR 622, 623, 625, 626) ♀ ad. (DR 624, 627, 628).
Auliscomys micropus micropus 5/7 ♂ ad. (DR 602, 605, 606, 609, 611) ♀ ad. (DR 601, 603, 604, 607, 608, 610, 612).
56. Cueva del Milodon: 20 km NW of Puerto Natales, Ultima Esperanza, 72°30'S - 51°40'W, 150 m.
 Biotope: Small forest with bushes of *Nothofagus antarctica* S of the cavern. Burned rests of a former timber-forest.
 Date: 14. - 15.01.1971
 Climatic cond.: Cloudy, dry, cold.
 Method: 20 LRT Bait: Rolled oats
 Collector: Reise
 Results:
Akodon xanthorhinus canescens 0/1 ♀ ad. (DR 599).
Akodon longipilis nubilus 0/1 ♀ ad. (DR 600).
57. Punta Arenas: 20 km E of Punta Arenas, park N of the road to Puerto Natales, Magallanes, 70°54'S - 53°06'W, 50 m.
 Biotope: Shrubs of *Nothofagus antarctica*.
 Date: 25. - 26.01.1971
 Climatic cond.: Rainy, cold.
 Method: 10 LRT Bait: Rolled oats
 Collector: Reise
 Results:
Akodon xanthorhinus canescens 0/1 ♀ ad. (DR 672).
58. Estancia Gregorio: 130 km E of Punta Arenas, shore of the Magellan Strait, Magallanes, 70°05'S - 52°34'W, 20 m.
 Biotope: Rivulet with grassland, slopes with bushes (*Baccharis* sp.), in higher parts with pampa vegetation.
 Date: 27. - 28.01.1971
 Climatic cond.: Dry, cold.
 Method: 35 LRT Bait: Rolled oats
 Collector: Reise
 Results:
Akodon xanthorhinus xanthorhinus 7/5 ♂ ad. (DR 673, 676, 678, 678a, 679, 682, 683) ♀ ad. (DR 675, 677, 680, 681, 684).
Akodon longipilis francei 1/0 ♂ ad. (DR 674).
59. Porvenir - Laguna de los Cisnes: 15 km N of Porvenir, at the NE side of the lake, Tierra del Fuego, 70°12'S - 53°13'W, 50 m.
 Biotope: Pampa which gets a bushy character towards the lake shore (*Baccharis* sp.,

Senecio sp., *Berberis buxifolia*, *Agrostis* sp.,
Festuca sp.).

Date: 09. - 10.02.1971

Climatic cond.: Cold, cloudy, dry.

Method: 60 LRT Bait: Rolled oats

Collector: Reise

Results:

Oryzomys longicaudatus magellanicus 1/0 ♂
ad. (DR 791).

Akodon xanthorhinus xanthorhinus 9/2 ♂ ad.
(DR 780-782, 784, 786-790) ♀ ad. (DR
783, 785).

60. Lago Fagnano: S side of Lago Fagnano, 4
km E of Puerto Kosobo, Santa Cruz,
Argentina, 67°30'S - 54°35'W, 100 m.

Biotope: High forest of *Nothofagus pumilio*
with by storm cleared areas and blackber-
ry scrubs (*Rubus constrictus*).

Date: 31.01. - 02.02.1971

Climatic cond.: Rainy, cold.

Method: 120 LRT Bait: Rolled oats

Collector: Reise

Results:

Akodon xanthorhinus xanthorhinus 1/4 ♂ ad.
(DR 691) ♀ ad. (DR 688-690, 692).

61. Lapataia: 20 km W of Ushuaia, 3 km E of
the chilean border, Santa Cruz, Argenti-
na, 68°35'S - 54°59'W, 20 m.

Biotope: Timberforest of *Nothofagus pumi-
lio* and *N. betuloides*, dense borders (young
Nothofagus, *Rubus constrictus*).

Date: 02. - 05.02.1971

Climatic cond.: Rainy, cold.

Method: 80 LRT Bait: Rolled oats

Collector: Reise

Results:

Oryzomys longicaudatus magellanicus 1/0 ♂
ad. (DR 708).

Akodon xanthorhinus xanthorhinus 33/26 ♂
ad. (DR 694, 695, 698, 700-702, 705, 706,
709-714, 718, 720, 723, 724, 726-730, 732,

734, 737, 739, 740, 745, 749, 752) ♀ ad.
(DR 693, 696, 697, 699, 703, 704, 707,
715-717, 719, 721, 722, 725, 731, 733,
735, 736, 738, 741-744, 746-748).

Akodon lanosus 0/1 ♀ ad. (DR 742).

62. Cerro Condor primeval forest: 2 km W of
Lapataia (see Lapataia), path to the top of
Cerro Condor, directly at the chilean bor-
der, Santa Cruz, Argentina, 68°36'S -
54°59'W, 300 m.

Biotope: Dense timberforest of *Nothofagus
pumilio* and *N. betuloides*, rare low vegeta-
tion, many rotten trunks.

Date: 04. - 06.02.1971

Climatic cond.: Rainy, cold.

Method: 50 LRT Bait: Rolled oats.

Collector: Reise

Results:

Oryzomys longicaudatus magellanicus 1/0 ♂
ad. (DR 750).

Akodon xanthorhinus xanthorhinus 5/0 ♂ ad.
(DR 755, 757-760).

Akodon lanosus 1/3 ♂ ad. (DR 761) ♀ ad.
(DR 754, 756, 762).

63. Cerro Condor - top: 5 km W of Lapataia
(see Lapataia) E side above timberline,
Antarctica chilena, 68°36'S - 54°59'W,
1000 m.

Biotope: Beyond timberline, fountain
areas with rich vegetation between bushes
of *Nothofagus antarctica*.

Date: 05. - 06.02.1971

Climatic cond.: Cold, snowfall.

Method: 50 LRT Bait: Rolled oats.

Collector: Reise

Results:

Akodon xanthorhinus xanthorhinus 4/1 ♂ ad.
(DR 664, 673, 674, 676) ♀ ad. (DR 675).

Euneomys chinchilloides chinchilloides 6/6 ♂
ad. (DR 663, 667, 669, 671, 678, 679) ♀
ad. (DR 665, 666, 668, 670, 672, 677).

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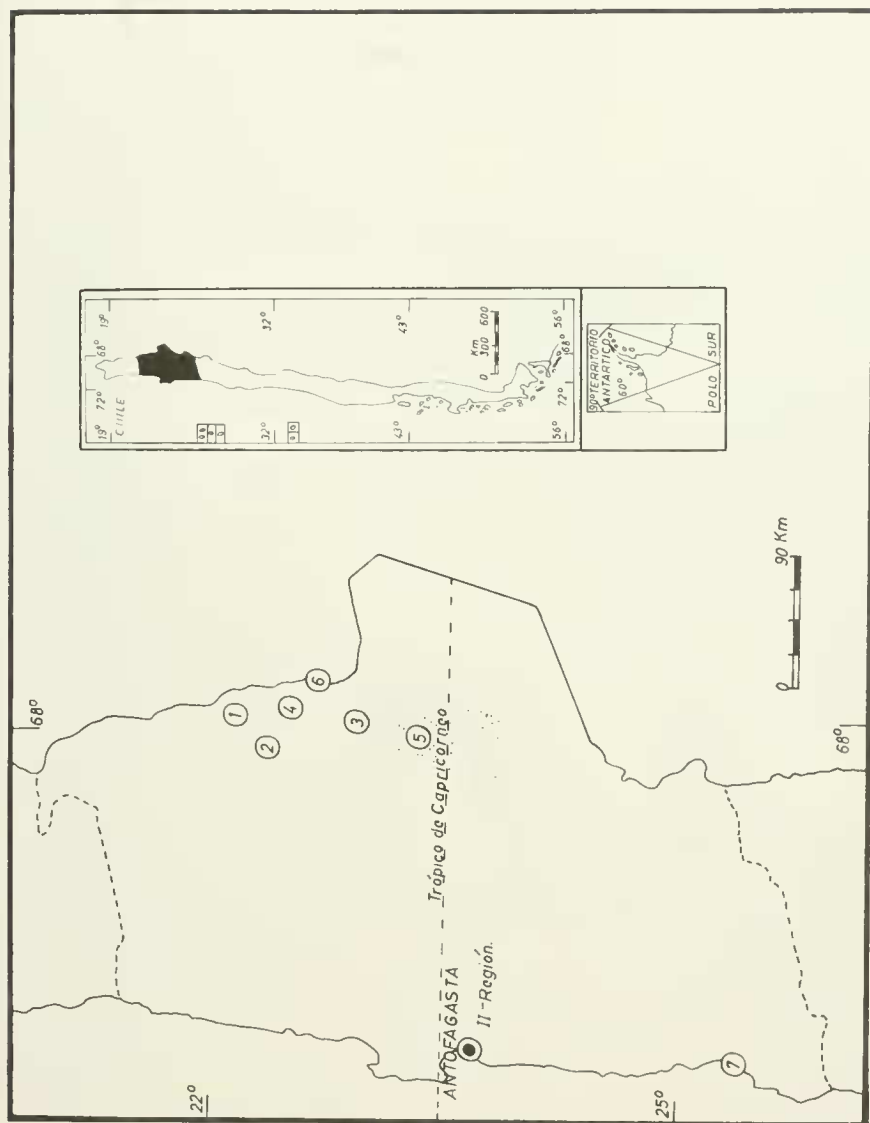


Fig. 1. Distribution of rodents captured in the II Region. Localities of trapping: 1. El Tatio; 2. Rio Grande; 3. San Pedro de Atacama; 4. Puritama; 5. Salar de San Pedro de Atacama; 6. Lincancabur (Vn); 7. Taltal. Species and subspecies trapped (numbers indicate localities): *Akodon* sp. (1); *Akodon olivaceus* o. (7); *Phyllotis darwini rupestris* (1, 2, 3, 4, 6, 7); *Auliscomys sublimis leucurus* (1); *Eligmodontia typus perulius* (3); *Ctenomys fulvus* f. (5); *Abrocoma cinerea* c. (6).

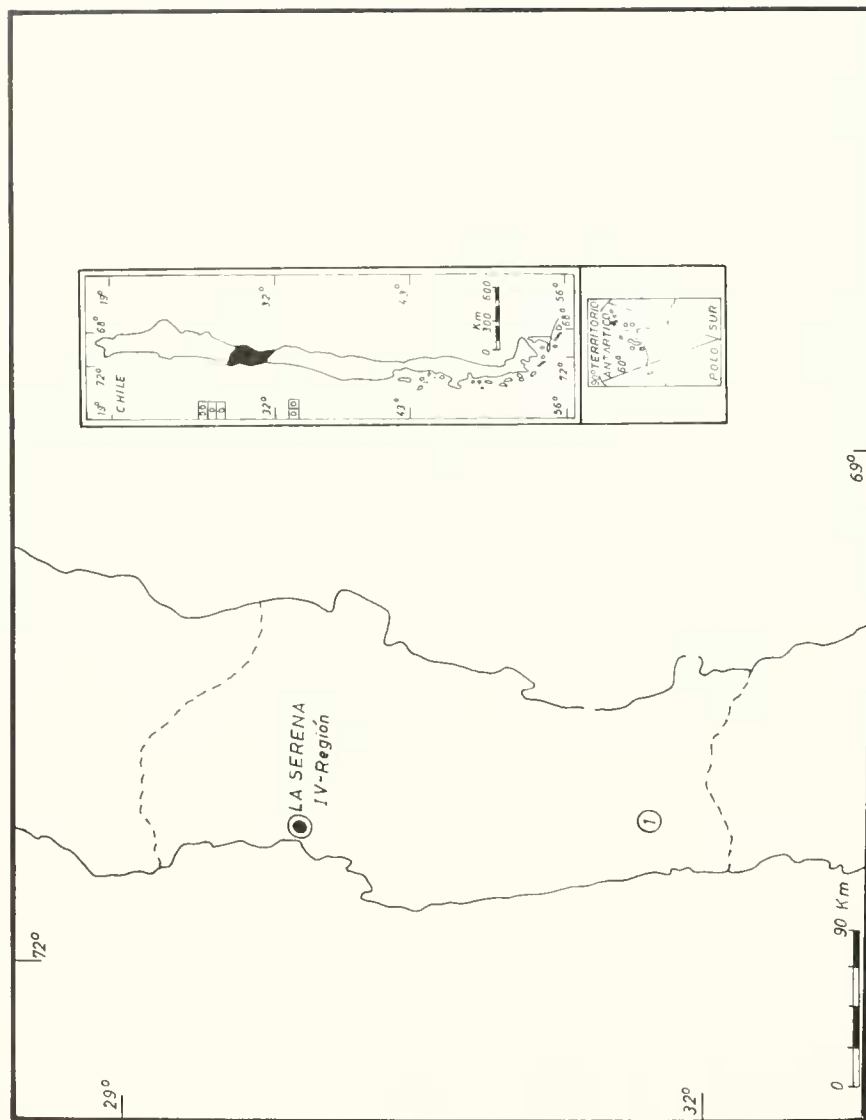


FIG. 2. Distribution of rodents captured in the IV Region. Localities of trapping: 1. Peralillo. Species and subspecies trapped (numbers indicate localities): *Marmosa elegans e.* (1); *Oryzomys longicaudatus l.* (1); *Akodon olivaceus o.* (1); *Phyllotis darwini d.* (1); *Octodon degus* (1); *Octodon lunatus* (1); *Abracomia bennetti b.* (1); *Rattus rattus* (1).

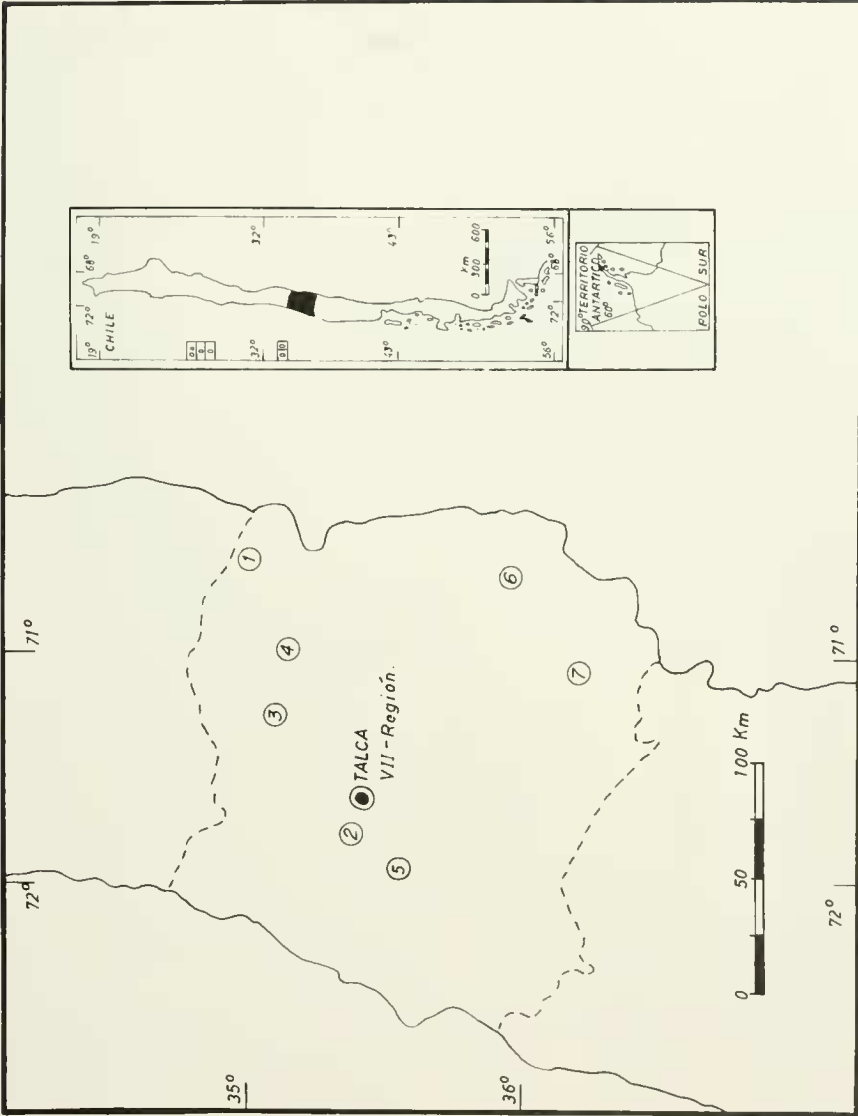


FIG. 3. Distribution of rodents captured in the VII Region. Localities of trapping: 1. Valle Teno; 2. Pencahue; 3. Siete Tazas; 4. Parque Ingles - Siete Tazas falls; 5. Nirivito; 6. Maitenes; 7. Longavi. Species and subspecies trapped (numbers indicate localities): *Marmosa elegans soricina* (3, 7); *Dromiciops australis a.* (4); *Oryzomys longicaudatus philippii* (2, 3, 4, 7); *Akodon olivaceus pencanus* (2, 3, 4, 6, 7); *Akodon longipilis hirtus* (1, 3, 4); *Phyllotis darwini boedeckeri* (5); *Phyllotis darwini vaccarum* (1, 3, 7); *Auliscomys micropus m.* (3, 4); *Octodon bridgesi* (4); *Aconaemys fuscus f.* (1, 4); *Ctenomys molinus m.* (6); *Rattus rattus* (2, 5); *Rattus norvegicus* (7).

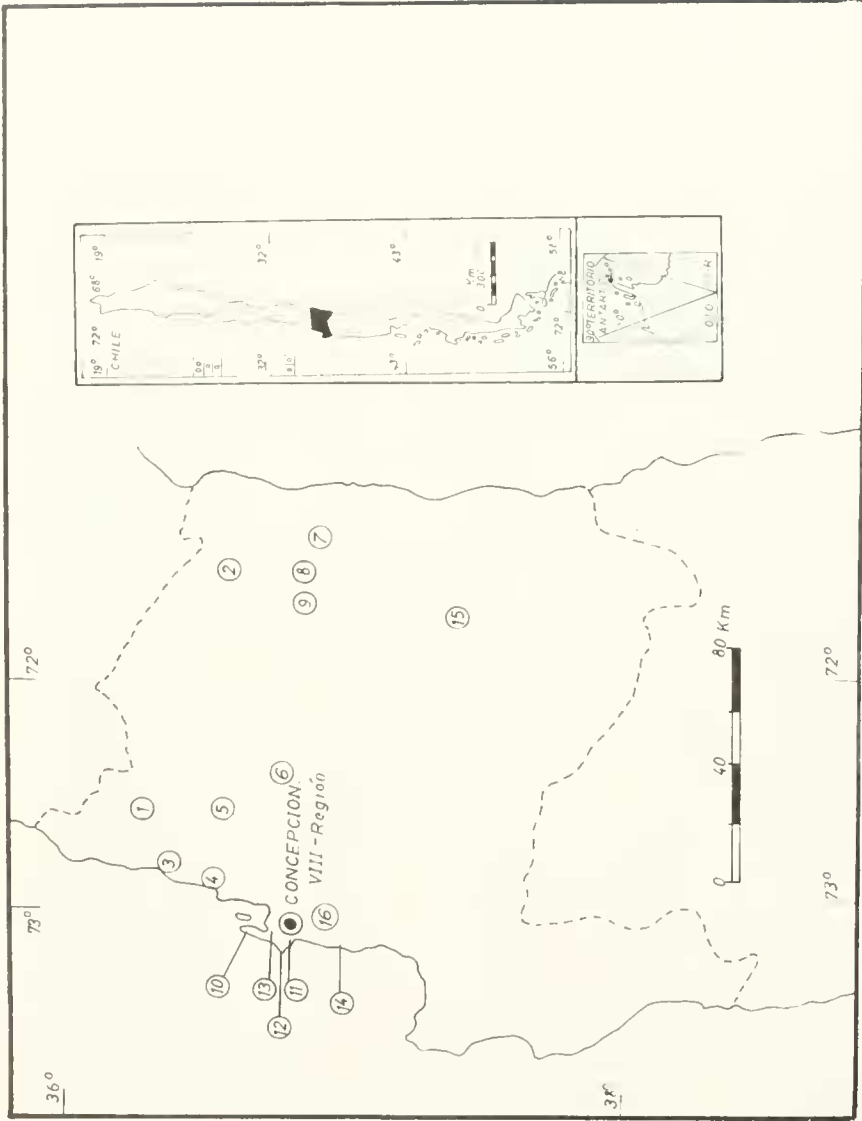


FIG. 4. Distribution of rodents captured in the VIII Region. Localities of trapping: 1. Quinhue; 2. San Fabian de Alico; 3. Vegas Itata; 4. Pingual; 5. Nipias; 6. El Roble; 7. Aguas Calientes; 8. Garganta del Diablo; 9. Aserradero - Chillan; 10. Thumbs; 11. Tetos del Biobio; 12. Rocoto; 13. Hualpen; 14. La Posada - Concepcion; 15. Antuco; 16. San Pedro - Concepcion. Species and subspecies trapped (numbers indicate localities): *Dromiciops australis a.* (9,12); *Oryzomys longicaudatus phillippi* (2,3,4,5,7,8,9,11,12,13); *Akodon olivaceus penicatus* (2,3,4,5,6,9,12,13,14,16); *Akodon longipits aptus* (5,10,11,12); *Akodon longipits hirtus* (7,8,9,15); *Chelomys macronyx m.* (8,9,15); *Geoxus valdivianus v.* (8,9,15); *Phyllotis darwini boredeckeri* (1,3); *Phyllotis darwini fulvescens* (6); *Phyllotis darwini vaccarum* (2); *Auliscomys microopus m.* (7,8,9,15); *Irenomys tarsalis t.* (9); *Euneomys mordax* (7,8,15); *Spalacopus cyanus maulinus* (1); *Aconaemys fuscus f.* (6,9); *Ctenomys maulinus m.* (7,8,9); *Rattus rattus* (2,3,5,11,12,14); *Rattus norvegicus* (9,10).

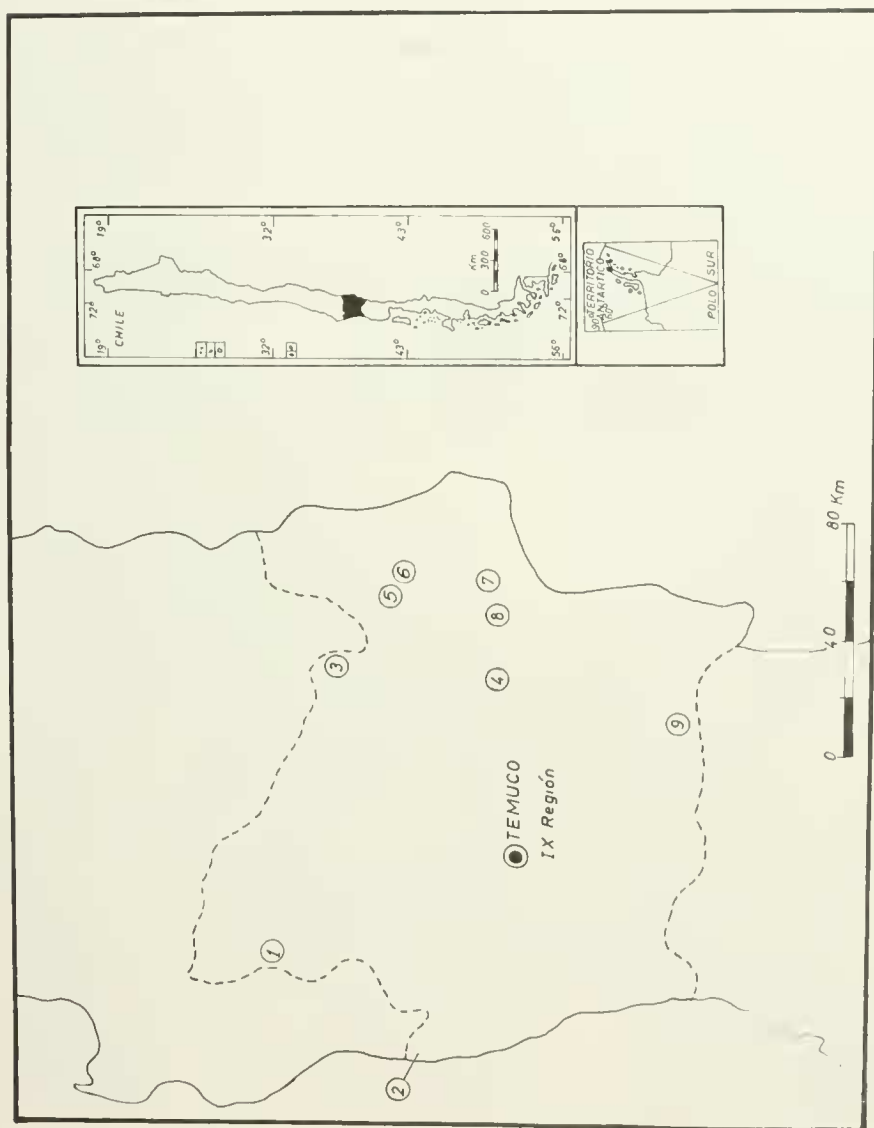


FIG. 5. Distribution of rodents captured in the IX Region. Localities of trapping: 1. Parque Nacional de Nahuelbuta; 2. Tirúa; 3. Termas de Tolhuaca; 4. Laima; 5. Paso de las Raíces; 6. Lonquimay; 7. Galletué; 8. Laguna Verde; 9. Villarrica. Species and subspecies trapped (numbers indicate localities): *Oryzomys longicaudatus philippu* (7,8); *Akodon olivaceus brachiotis* (9); *Akodon olivaceus penicatus* (1,3); *Akodon longipilis aptus* (1); *Akodon longipilis hirtus* (3,4,5,6,7); *Chelemys macronyx vestitus* (5,7); *Geoxus valdivianus* v. (1,4,5,7); *Auliscomys micropus* m. (1,5,7); *Octodon bridgesi* (1); *Aconaemys fuscus* f. (1); *Ctenomys maulinus brunneus* (5); *Rattus norvegicus* (2,3).

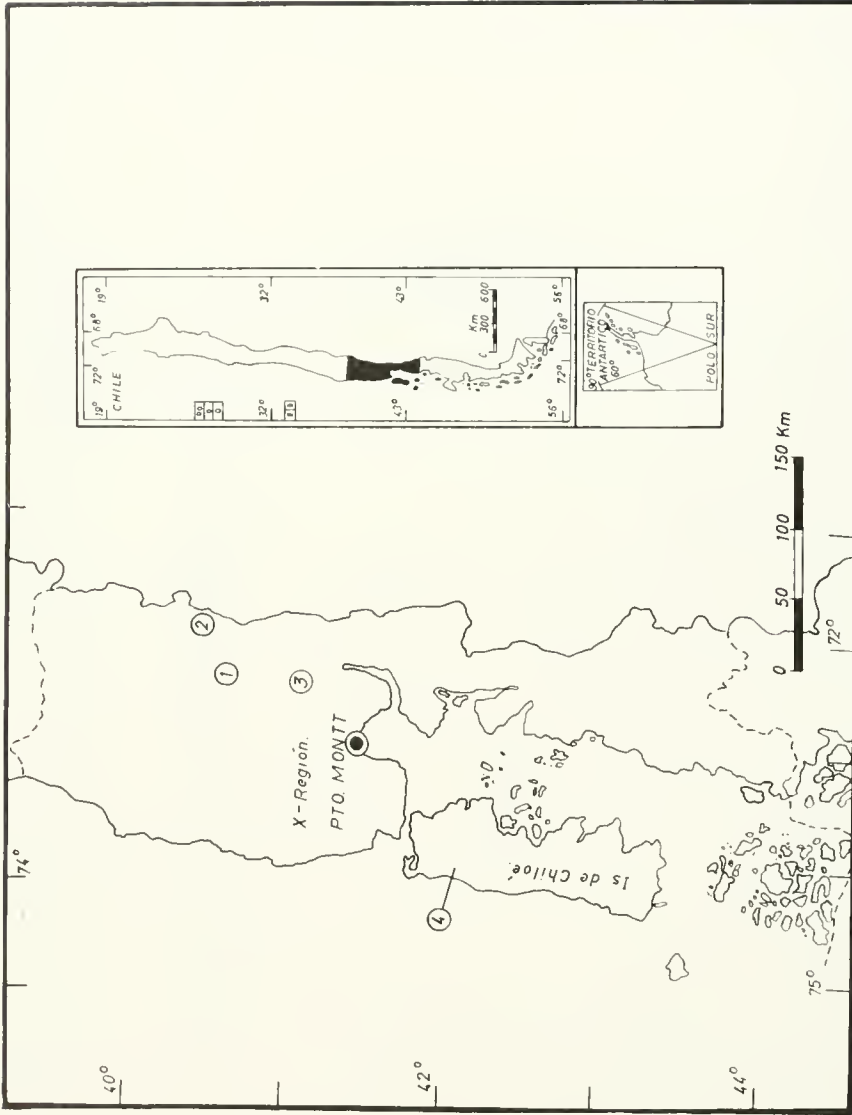


FIG. 6. Distribution of rodents captured in the X-Region. Localities of trapping: 1. Lago Puyehue; 2. Paso Puyehue; 3. Osorno; 4. Chepu.
 Species and subspecies trapped (numbers indicate localities): *Dromiciops australis a.* (3); *Akodon olivaceus brachyotis* (1,3,4); *Akodon longipilis aptus* (1); *Akodon longipilis hartus* (2); *Akodon sariborni* (3,4); *Chelemys macronyx vestitus* (2); *Geoxus valdivianus v.* (3); *Auliscomys micropus m.* (2); *Rattus rattus* (1).

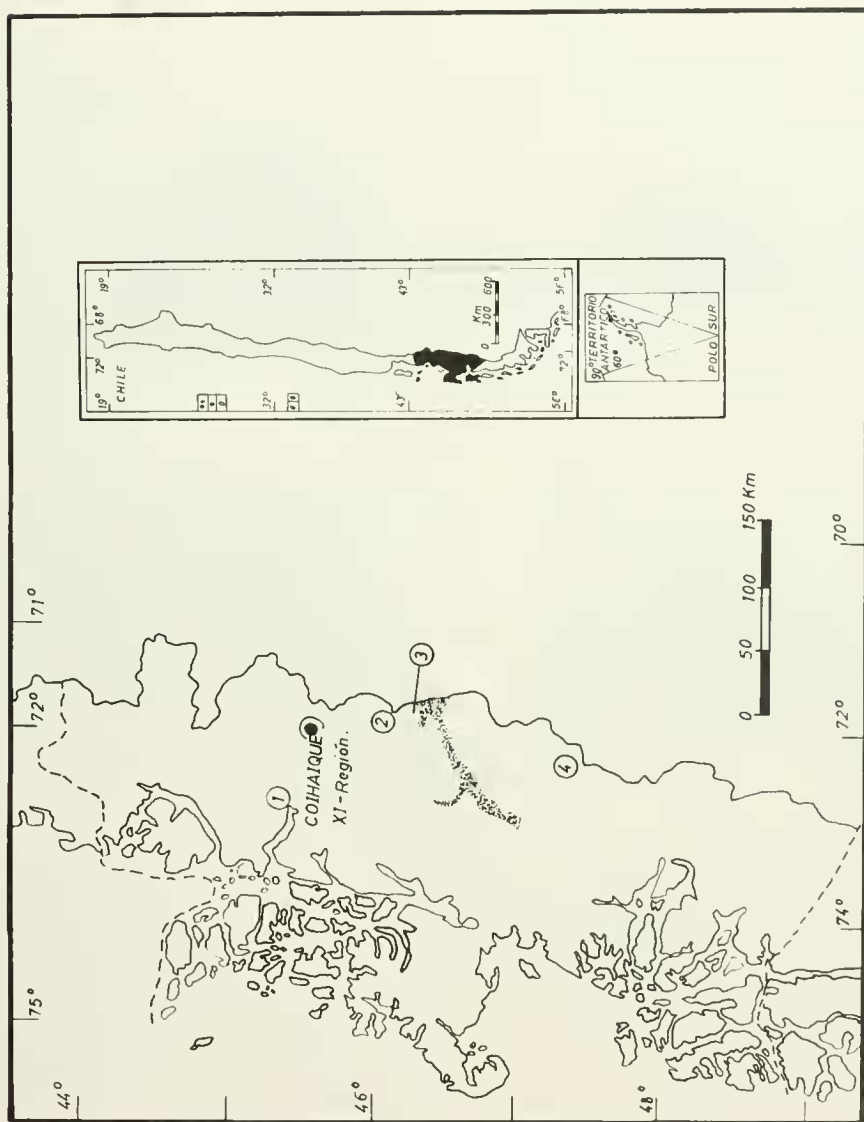


FIG. 7. Distribution of rodents captured in the XI Region. Localities of trapping: 1. Rio Simpson; 2. Cuesta del Diablo; 3. Pro. Ibanez; 4. Valle Chacabuco.

Species and subspecies trapped (numbers indicate localities): *Oryzomys longicaudatus magellanicus* (2,3,4); *Akodon xanthorhinus canescens* (2,3,4); *Akodon longipilis suffusus* (2,3,4); *Chelemys macronyx allenii* (4); *Chelemys macronyx vestitus* (2); *geoxius waldvianus bicolor* (2); *Phyllotis darwini xanthopygus* (3,4); *Auliscomys micropus m.* (2,3,4); *Irenomys tarsalis longicaudatus* (2); *Reithrodon physodes cuniculoides* (4); *Microcavia australis a.* (4); *Mus musculus* (3); *Rattus norvegicus* (1).

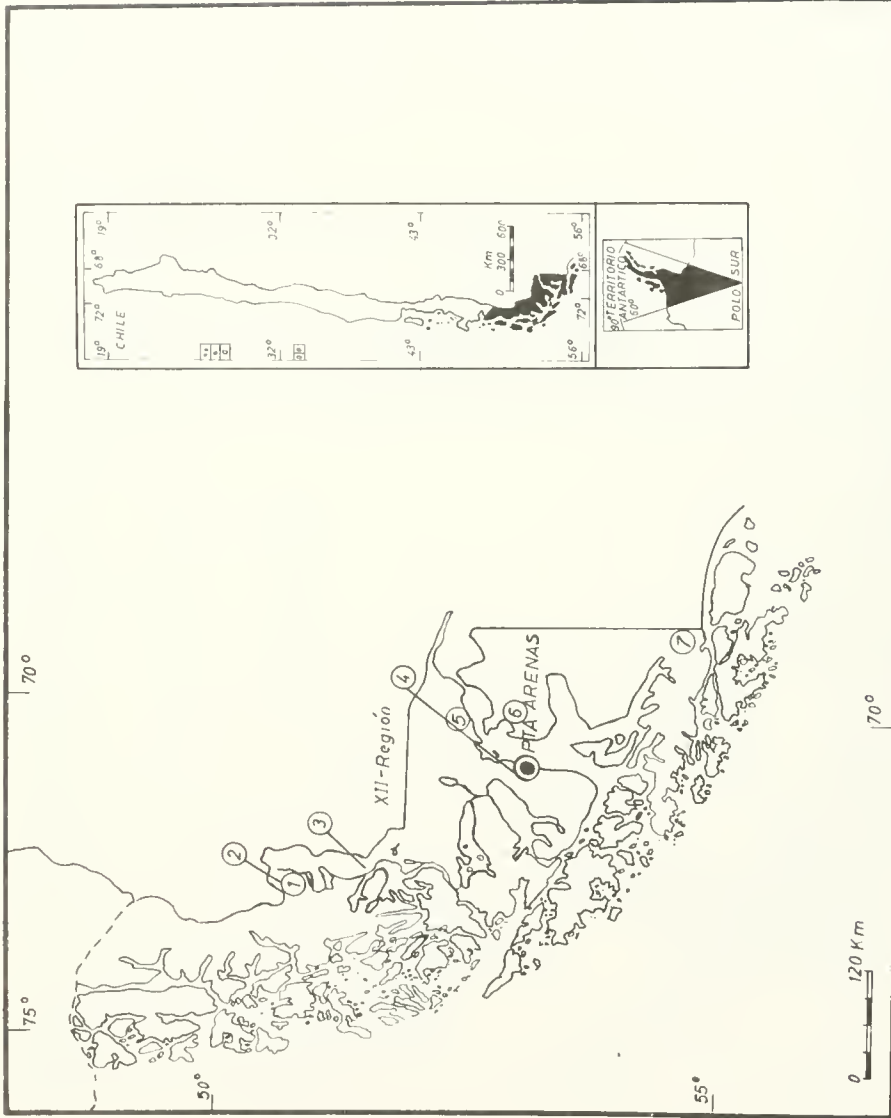


FIG. 8. Distribution of rodents captured in the XII Region. Localities of trapping: 1. Laguna Amarga; 2. Lago Pehoe; 3. Cueva del Milodon; 4. Pta. Arenas; 5. Estancia Gregorio; 6. Porvenir; 7. Cerro Condor. Species and subspecies trapped (numbers indicate localities): *Oryzomys longicaudatus magellanicus* (1,2,6); *Akodon xanthorhinus canescens* (1,3); *Akodon xanthorhinus* s. (4,5,6,7,8); *Akodon longipilis nubibus* (1,2,3); *Akodon longipilis franceti* (5,8); *Akodon lanosus* (7); *Auliscomys micropus* m. (1,2); *Reithrodon physodes pachycephalus* (1); *Euneomys chinchilloides* ch. (7).

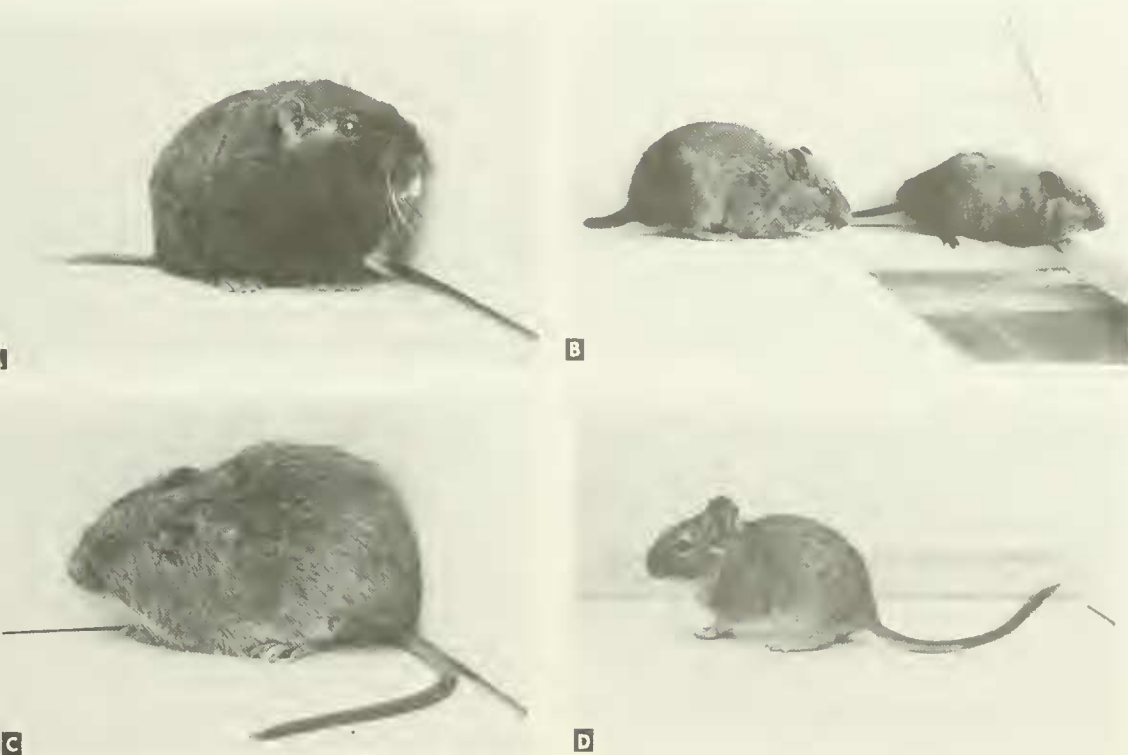


FIG. 9 Four different species of *Octodontidae* of Chile.

- A) *Spalacopus cyanus maulinus*, trapped in "Quirihue".
- B) *Aconaemys fuscus* f., from "El Aserradero - Chillan".
- C) *Octodon bridgesi*, captured in the "Parque Nacional de Nahuelbuta".
- D) *Octodon degus*, captured in "La Ligua".

